Building a Solid Foundation for Public Health Practice: Skills Enhancement for Public Health

PUBLIC HEALTH AGENCY of CANADA AGENCE DE LA SANTÉ PUBLIQUE du CANADA

Community Health Nurses of Canada

4th National Conference

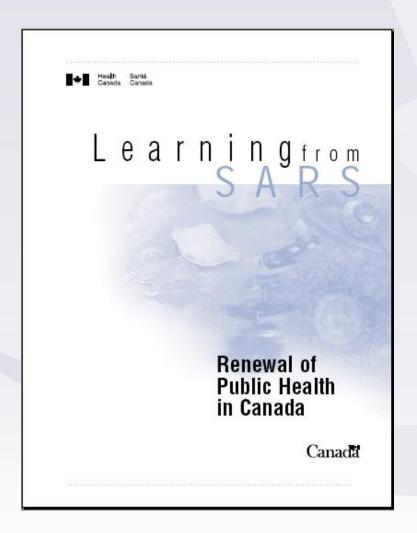
Pre-conference Workshop

June 16th, 2010





Learning from SARS: Renewal of Public Health in Canada (2003)



"No attempt to improve public health will succeed that does not recognize the fundamental importance of providing and maintaining in every local health agency across Canada an adequate staff of highly skilled and motivated public health professionals. Our national aim should be to produce a cadre of outstanding public health professionals who are adequately qualified and compensated, and who have clear roles, responsibilities and career paths." 2003

Workforce Challenges

Lack of:

- qualified public health professionals in Canada, aging workforce & uneven distribution of existing practitioners (especially in rural & remote areas)
- common measure & data to quantify the gap
- public health practitioner 'surge' capacity to respond emergencies
- skills development & training opportunities for existing public health practitioners

National Response to Strengthen the Public Health Workforce

Federal/Provincial/Territorial Advisory Groups

Develop pan-Canadian strategies to strengthen public health capacity

Goals of the Public Health Human Resources Strategy

- 2 Components:
 - ✓ Develop public health core competencies common to all public health professionals
 - ✓ Enhance knowledge & skills among the public health workforce

Building the Public Health Workforce for the 21st Century

A Pan-Canadian Framework for Public Health Human Resources Planning

> The Joint Task Group on Public Health Human Resources

Advisory Committee on Health Delivery and Human Resources

Advisory Committee on Population Health and Health Security Develop accreditation standards / quality control measures

Identify best practices in education (including placements, continuing education)

Identify best practices in interprofessional deployment

Identify best practices in recruitment and retention

October 2005

Develop recruitment / retention strategies to attract required competencies Develop structures to support interprofessional education (space, time, instructors)

Deploy workforce in interprofessional models based on their competencies

Develop worker competency assessment tools and incentives Align education programs to reflect competencies and interprofessional practice

Map the competencies of each discipline against the core and function-specific competencies

Develop organizational competency assessment tools and incentives

Define the public health workforce for planning purposes

Gather data on the public health workforce

Identify core public health services

Identify core* public health competencies

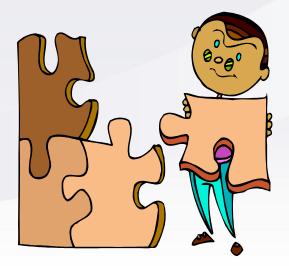
Identify functionspecific** public health competencies

Public health needs of the population

Core Competencies for Public Health in Canada

Set of essential skills, knowledge & attitudes necessary for the broad practice of public health

- Basic building block to develop the workforce
- Independent of discipline & program



Core Competencies for Public Health in Canada: Release 1.0

36 statements organized under 7 categories:



1. Public Health Sciences



2. Assessment & Analysis



Policy & Program Planning,
 Implementation & Evaluation



4. Partnerships, Collaboration & Advocacy



5. Diversity & Inclusiveness



6. Communication



7. Leadership



Current Activities

- Build awareness & knowledge
- Develop tools & resources to support use
 - Core Competencies for Public Health in Canada
 Orientation Module (www.corecompetencies.ca)
 - Tools to demonstrate Core Competencies in practice
 - Performance assessment & management tools for individual practitioners & organizations
 - Skills Online continuing education program

Current Activities (con't)

- Evaluation plan
- Exploring use & integration of Core Competencies within Public Health Agency of Canada
- Working with public health disciplines to develop discipline-specific competencies
- pan-Canadian Environmental Scan to explore ways Core Competencies are being used & integrated
 - Local/regional public health organizations, & provincial/territorial governments and associations (completed)
 - Master of Public Health programs (completed)
 - Schools of environmental health (completed)
 - Schools of nursing (planned for 2010/11)

Recommendations from Environmental Scan

- Focus efforts on formal endorsement & adoption of Core Competencies
- Continue to educate about Core Competencies at all levels of public health
- Promote practice-based learning approaches
- Equip organizations with human resources, tools & methods that support integration of competencies into practice

Recommendations from Environmental Scan (con't)

- Promote & support "workforce driven" competency development activities
- Encourage & support competency-based mentoring & coaching
- Continue integration of core & discipline-specific efforts through collaborative projects and partnerships
- Use networks to create 'gathering spaces' for shared learning & collaboration
- Support public health leadership at all levels

How do we acquire & maintain the Core Competencies for Public Health in Canada: Release 1.0?



Do you think you can buy me some competencies too, Dad?

The role of continuing education.... **Skills Online**



Skills Online Life-Long Learning

• Like other health-related fields, public health knowledge & practices continually evolve

 Continuing education is required to maintain high levels of relevant knowledge & skills to practice effective public health Continuing education opportunities for public health practitioners across Canada not readily available



What is Skills Online?

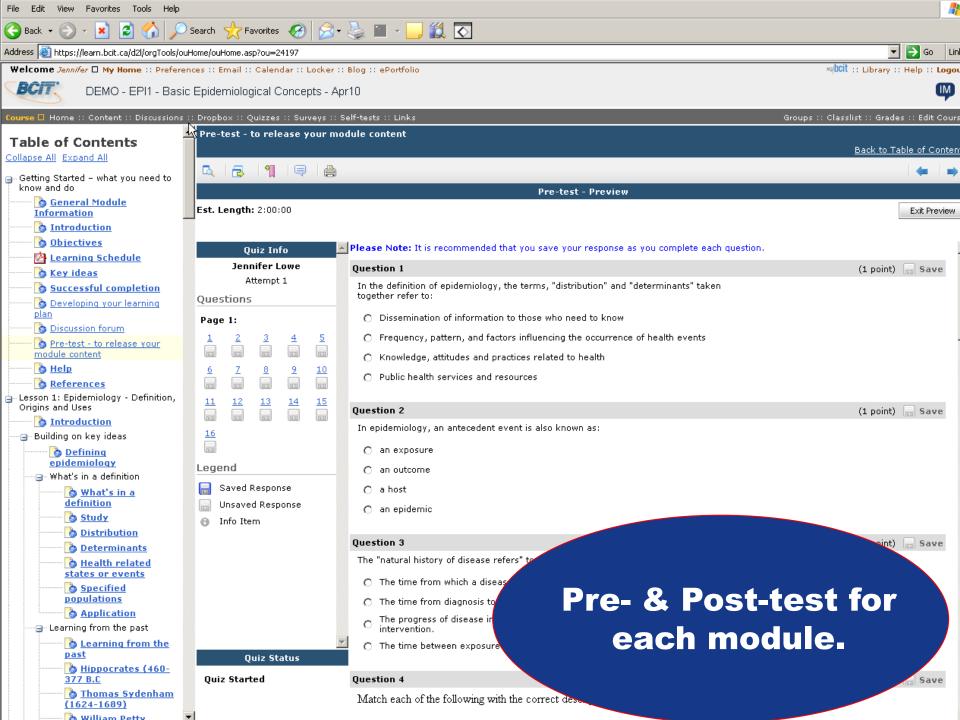
- Internet-based continuing professional development program for front line public health practitioners
- Facilitated modules in English & French
- Offered at no cost to public health professionals since
 2002
- Close to 5,500 individuals have completed one or more modules
- Just over 8,000 modules have been completed

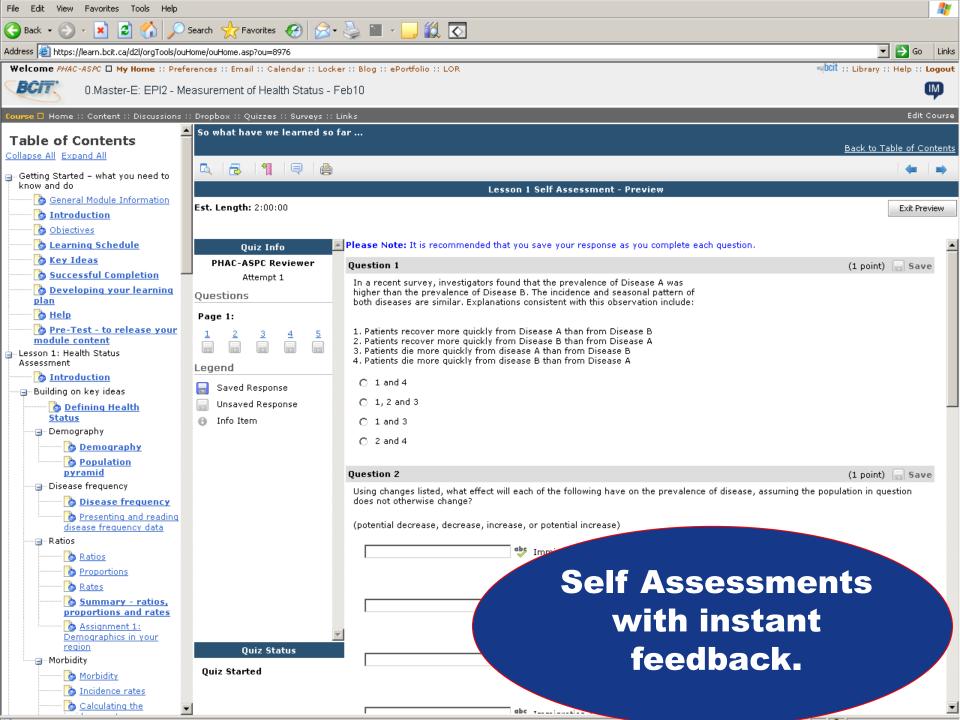
Module Delivery Format

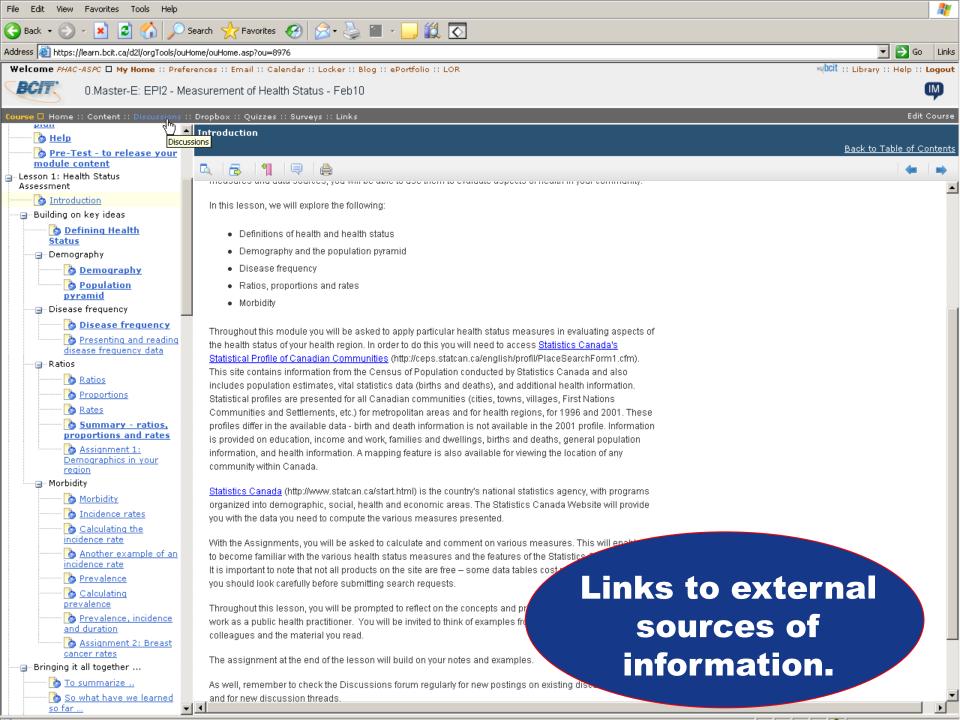
- National teams
 - ~ 15 interprofessional learners from across
 Canada
- Facilitated modules learners have access to an online facilitator with content & facilitation training
 - answer content-related questions
 - encourage discussion
 - provide feedback on learning exercises
 - guide learners through the material

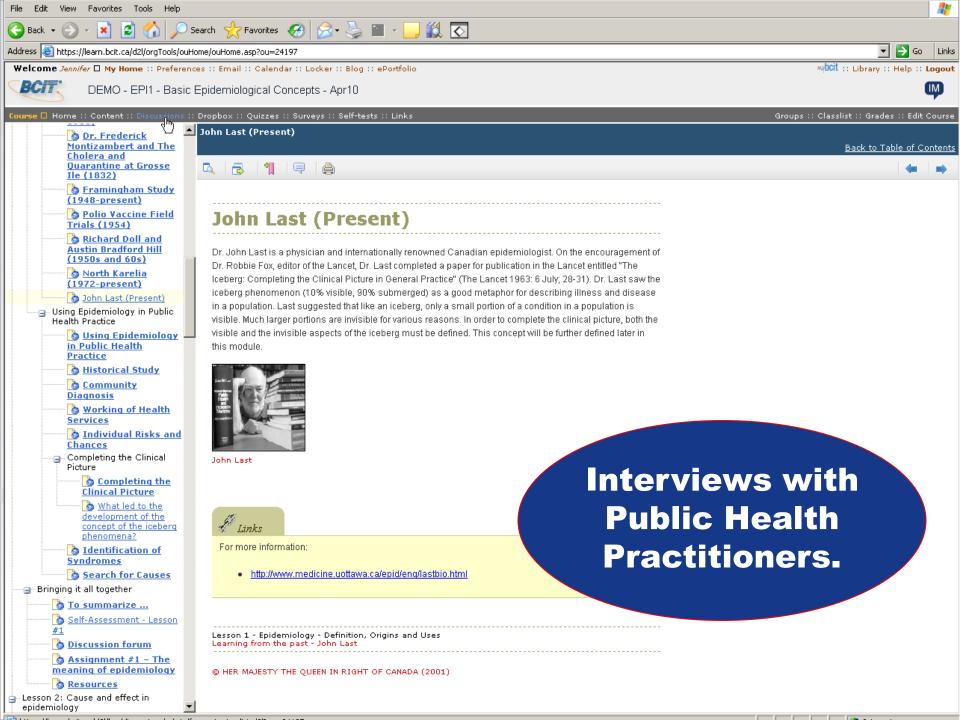
Skills Online's Key Features

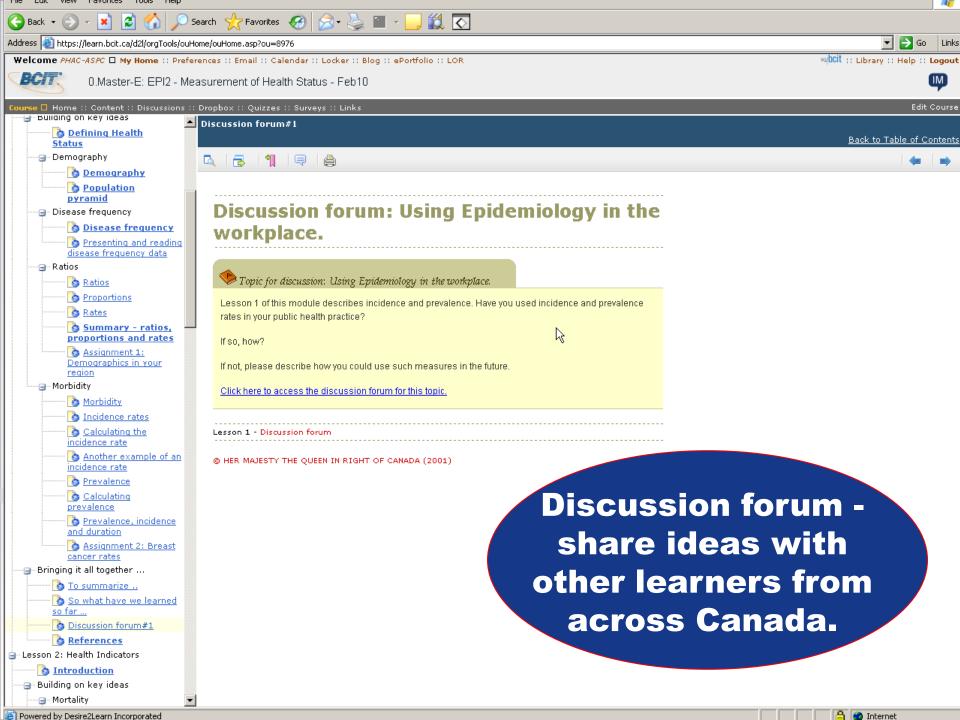
- Relevant, timely & practical Canadian content
- Easily accessible through web browser
- Low cost no charge; need own hardware & software
- Help Desk for technical support
- Teams of 15-20 learners led by experienced, trained facilitator for content support
- 8 weeks to complete a module
- Modules range from $\sim 25-35$ hours in length
- Offered 3 times per year Fall, Winter & Spring
- Based on principles of adult learning

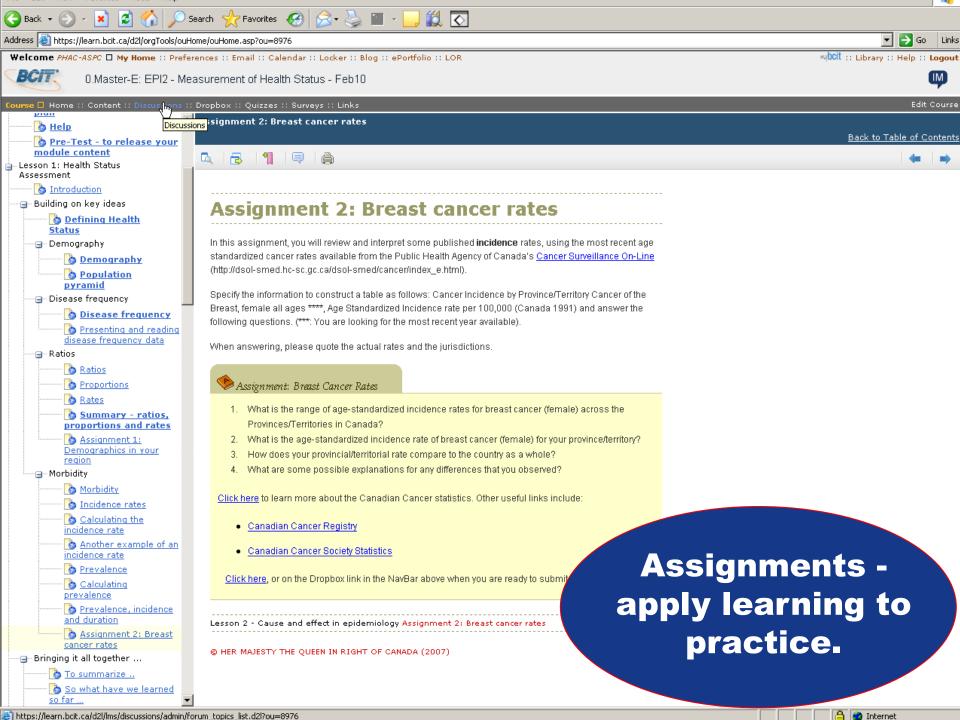












A public health practitioner is able to...

Core competency components	Module content examples
Identify relevant & appropriate data & sources of information Category 2: Assessment & Analysis	vital statistics, census, administrative, Internet sites, notifiable diseases, registries
Collect accurate quantitative primary &/or secondary data Category 2: Assessment & Analysis	examples of methods, tools being used in the field
Provide health status, demographic, statistical, programmatic & scientific information to professional & lay audiences	organizing & displaying data, e.g., selecting & constructing tables, charts, graphs, maps
Content mapped to Core Competencies.	

Interactive Demonstration Skills Online

Skills Enhancement for Public Health

WARNING MODULES

INTRODUCTION TO:

ONLINE LEARNING EPIDEMIOLOGY

Basic Epidemiological Concepts Measurement of Health Status Descriptive Epidemiological Methods SURVEILLANCE INFORMATION MANAGEMENT

METHOD

Basic Biostatistics Principles & Practices of Public Health **Survey Methods**

MOVING DATA TO ACTION

Communicating Data Effectively Evidence-Based Planning

APPLIED PUBLIC HEALTH

Outbreak Investigation & Management Applied Epidemiology: Injuries Epidemiology of Chronic Diseases

Skills Online Modules

MODULES AVAILABLE

- Basic Epidemiological Concepts
- Introduction to Surveillance
- Measurement of Health Status
- Communicating Data Effectively
- Epidemiologic Methods
- Introduction to Biostatistics
- Outbreak Investigation & Management
- Epidemiology of Chronic Diseases
- Applied Epidemiology: Injuries
- Intro to Surveillance

MODULES COMING Very SOON

- Intro to Public Health
- Intro to Literature Searching

MODULES COMING SOON

- Evidence-based Public Health
- Planning for Public Health

MODULES In -DEVELOPMENT

- Survey Methods
- Privacy & Confidentiality for Public Health

Skills Online Module Development

Year 1

- Process overview
- > Develop project plan
- > Conduct needs assessment
- > Conduct environmental scan
- > Form advisory group
- > Develop module framework
- Develop module content

Year 2

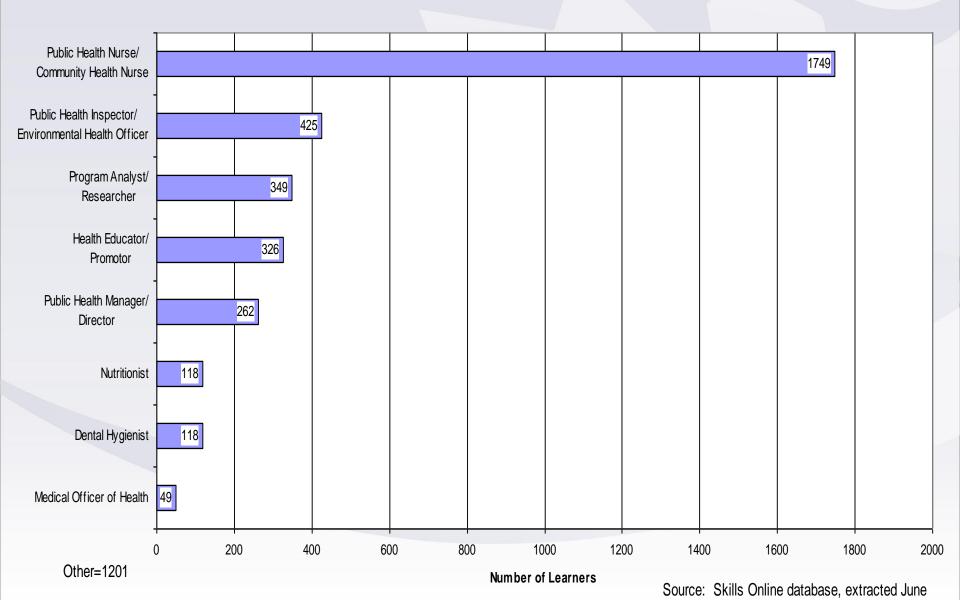
- > Storyboard
 - Develop prototypeLearning Mgt. System
- > Pilot

Ongoing Maintenance

- > Evaluate
- Content Review
- > Test

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Number of Skills Online Learners in Canada by Professional Designation, Spring 2002 to Winter 2009



Benefits

Individual

- Acquired knowledge/developed CC shared & applied Increased...
- perspective/enhanced appreciation breadth, roles & work
- understanding/appreciation surveillance (data collection & use)
- understanding of terminology & concepts
- critical thinking, problem solving, creativity...
- willingness to collaborate
- practitioners' desire for & confidence in pursuing further education

Benefits

Organizational

- Skilled practitioners
- Consistent, common baseline understanding of PH principles
- Improved decision making/planning abilities
- Improved communication within & across teams
- Increased levels of confidence of staff translating into increased contributions at team meetings
- HR policies/practices

Recognition, Endorsement & Support

- •Certificate from Public Health Agency of Canada & the Institut national de santé publique du Québec after successful completion of each module
- Endorsed by professional organizations & associations
- •Support from provinces/territories & local organizations
- •University recognition, e.g. Master of Public Health programs



For More Information

Core Competencies for Public Health in Canada

www.phac-aspc.gc.ca/core_competencies

Skills Online

www.phac-aspc.gc.ca/skills